

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A method of fracturing a subterranean formation comprising the steps of:
 - placing a first fluid comprising a foamed carbon dioxide fluid, an emulsion of carbon dioxide, or a carbon dioxide gel into a subterranean formation at a pressure sufficient to create or extend at least one fracture therein wherein the first fluid is not a crosslinked fluid;
 - placing a second fluid comprising an alkaline crosslinked fluid into the subterranean formation at a pressure sufficient to cause the second fluid to enter the fracture created or extended by the first fluid; and,
 - releasing the pressure on the subterranean formation and thereby allowing the first fluid to intermix with the second fluid wherein the first fluid lowers that pH of the second fluid and causes the second fluid to reduce viscosity.
2. **(Original)** The method of claim 1 wherein the second fluid's crosslinkages are reversed at a pH below about 8.
3. **(Original)** The method of claim 1 wherein the second fluid comprises a hydratable polymer.
4. **(Original)** The method of claim 1 wherein the second fluid is crosslinked with a crosslinking agent comprising alkali metal borates, borax, boric acid, or borate ions.
5. **(Original)** The method of claim 1 wherein the second fluid comprises a guar or guar derivative fracturing fluid crosslinked with a borate crosslinking agent.
6. **(Cancelled)** The method of claim 1 wherein the first fluid further comprises proppant.
7. **(Original)** The method of claim 1 wherein the second fluid further comprises proppant.

8. **(Currently Amended)** A method of gravel packing along a well bore comprising the steps of:

placing a first fluid comprising a foamed carbon dioxide fluid, an emulsion of carbon dioxide, or a carbon dioxide gel into a well bore at a pressure sufficient to penetrate into the formation wherein the first fluid is not a crosslinked fluid;

placing a second fluid comprising particulates and an alkaline crosslinked fluid into the subterranean formation so as to form a gravel pack along the well bore; and,

releasing the pressure and thereby allowing the first fluid to intermix with the second fluid wherein the first fluid lowers that pH of the second fluid and causes the second fluid to reduce viscosity.

9. **(Original)** The method of claim 8 wherein the second fluid's crosslinkages are reversed at a pH below about 8.

10. **(Original)** The method of claim 8 wherein the second fluid comprises a hydratable polymer.

11. **(Original)** The method of claim 8 wherein the second fluid is crosslinked with a crosslinking agent comprising alkali metal borates, borax, boric acid, or borate ions.

12. **(Original)** The method of claim 8 wherein the second fluid comprises a guar or guar derivative fracturing fluid crosslinked with a borate crosslinking agent.

13. **(Cancelled)** The method of claim 8 wherein the first fluid further comprises proppant.

14. **(Cancelled)** The method of claim 8 wherein the second fluid further comprises proppant.

15. **(Currently Amended)** A system for treating a subterranean formation comprising:
a first fluid comprising a foamed carbon dioxide fluid, an emulsion of carbon dioxide, or a carbon dioxide gel wherein the first fluid is not a crosslinked fluid; and,
a second fluid comprising an alkaline crosslinked fluid.
16. **(Currently Amended)** The ~~method~~system of claim 15 wherein the second fluid's crosslinkages are reversed at a pH below about 8.
17. **(Currently Amended)** The ~~method~~system of claim 15 wherein the second fluid comprises a hydratable polymer.
18. **(Currently Amended)** The ~~method~~system of claim 15 wherein the second fluid is crosslinked with a crosslinking agent comprising alkali metal borates, borax, boric acid, or borate ions.
19. **(Currently Amended)** The ~~method~~system of claim 15 wherein the second fluid comprises a guar or guar derivative fracturing fluid crosslinked with a borate crosslinking agent.
20. **(Cancelled)** The method of claim 15 wherein the first fluid further comprises proppant.
21. **(Currently Amended)** The ~~method~~system of claim 15 wherein the second fluid further comprises proppant.